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RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/09/766,442A

TIME: 09:34:47

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02262002\I766442A.raw

3 <110> APPLICANT: Audonnet, Jean-Christophe

5 <120> TITLE OF INVENTION: Improved DNA Vaccines for Farm Animals, In particular
bovines and

6 procines

8 <130> FILE REFERENCE: 454313-3154.2

10 <140> CURRENT APPLICATION NUMBER: 09/766,442A

C--> 11 <141> CURRENT FILING DATE: 2001-01-19

13 <160> NUMBER OF SEQ ID NOS: 106

15 <170> SOFTWARE: PatentIn version 3.0

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 40

19 <212> TYPE: DNA

20 <213> ORGANISM: Artificial sequence

22 <220> FEATURE:

23 <223> OTHER INFORMATION: oligonucleotide used to prepare modified plasmid pVR1020

25 <400> SEQUENCE: 1

26 gatctgcagc acgtgtctag aggatatcga attcgcggcc 40

29 <210> SEQ ID NO: 2

30 <211> LENGTH: 40

31 <212> TYPE: DNA

32 <213> ORGANISM: Artificial sequence

34 <220> FEATURE:

35 <223> OTHER INFORMATION: oligonucleotide used to prepare modified plasmid pVR1020

37 <400> SEQUENCE: 2

38 gatccgcggc cgcaattcg atatactcta gacacgtgct 40

41 <210> SEQ ID NO: 3

42 <211> LENGTH: 20

43 <212> TYPE: DNA

44 <213> ORGANISM: Artificial sequence

46 <220> FEATURE:

47 <223> OTHER INFORMATION: oligonucleotide used to prepare plasmid pNS050

49 <400> SEQUENCE: 3

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53 <210> SEQ ID NO: 4

54 <211> LENGTH: 21

55 <212> TYPE: DNA

56 <213> ORGANISM: Artificial sequence

58 <220> FEATURE:

59 <223> OTHER INFORMATION: oligonucleotide used to prepare plasmid pNS050

61 <400> SEQUENCE: 4

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65 <210> SEQ ID NO: 5

66 <211> LENGTH: 30

67 <212> TYPE: DNA

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68 <213> ORGANISM: Artificial sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: oligonucleotide used to amplify sequence of intron II of
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72     lobin gene
74 <400> SEQUENCE: 5
75 ctccatgtcg acctggggac ccttgattgt          30
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 30
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: oligonucleotide used to amplify sequence of intron II of
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85     lobin gene
87 <400> SEQUENCE: 6
88 ctccatgtcg acctgtagga aaaagaagaa          30
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 30
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: oligonucleotide used to amplify plasmid pPB278 through PCR
99 <400> SEQUENCE: 7
100 ttgtcgacat ggccgctcgc ggcgggtgctg          30
103 <210> SEQ ID NO: 8
104 <211> LENGTH: 21
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: oligonucleotide used to amplify plasmid pPB278 through PCR
111 <400> SEQUENCE: 8
112 gcagggcagc ggctagcgcg g          21
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116 <211> LENGTH: 51
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: oligonucleotide used to prepare fragment for generating
plasmid p
122     PB28
124 <400> SEQUENCE: 9
125 ctgcacgagc tccggttcta cgacattgac cgctgggtcaa gacggactga g          51
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 56
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: oligonucleotide used to prepare fragment for generating
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135     PB28
137 <400> SEQUENCE: 10
138 gatacctcagt ccgtottgac cacgcgggtca atgtcgtaga accggagctc gtgcag          56

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141 <210> SEQ ID NO: 11
142 <211> LENGTH: 39
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: primer used in amplification of modified form of BHV-1 gB
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149 <400> SEQUENCE: 11
150 aaaatttcga tatccgccgc ggggcgaccg gcgacaacg                      39
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 33
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: primer used in amplification of modified form of BHV-1 gB
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161 <400> SEQUENCE: 12
162 ggaagatcctt cagtcctct tgaccacgcg gtc                          33
165 <210> SEQ ID NO: 13
166 <211> LENGTH: 37
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: oligonucleotide used in ligation of 1492bp fragment from
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172      pPB28
174 <400> SEQUENCE: 13
175 tcgtgcctgc ggcgcaaggc ccgggcgcgc ctgtagt                      37
178 <210> SEQ ID NO: 14
179 <211> LENGTH: 37
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: oligonucleotide used in ligation of 1492bp fragment from
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185      pPB28
187 <400> SEQUENCE: 14
188 ctagactaca ggcgcgcccg ggccttgccg cgcaggc                      37
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 43
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: oligonucleotide used to prepare truncated form of BHV-1 gC
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199 <400> SEQUENCE: 15
200 gcaccgctgc ccgagttctc cgcgaccgcc acgtacgact agt                  43
203 <210> SEQ ID NO: 16
204 <211> LENGTH: 43
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: oligonucleotide used to prepare truncated form of BHV-1 gC

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gene

211 <400> SEQUENCE: 16

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212 ctagactagt cgtacgtggc ggtcgcggag aactcgggca ggc          43
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217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: primer used in amplification of modified form of BHV-1 gC
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223 <400> SEQUENCE: 17
224 aaaatttcga tatcccgcgc ggggctcgcc gaggaggcg          39
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228 <211> LENGTH: 32
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: primer used in amplification of modified form of BHV-1 gC
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235 <400> SEQUENCE: 18
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239 <210> SEQ ID NO: 19
240 <211> LENGTH: 33
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: primer used to amplify truncated gD gene of BHV-1
247 <400> SEQUENCE: 19
248 ttctctcaga tgcaagggcc gacattggcc gtg          33
251 <210> SEQ ID NO: 20
252 <211> LENGTH: 31
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: primer used to amplify truncated gD gene of BHV-1
259 <400> SEQUENCE: 20
260 ttctagatt agggcgtagc gggggcgggc g          31
263 <210> SEQ ID NO: 21
264 <211> LENGTH: 39
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: primer used to amplify modified form of BHV-1 gD gene
271 <400> SEQUENCE: 21
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275 <210> SEQ ID NO: 22
276 <211> LENGTH: 33
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: primer used to prepare modified form of BHV-1 gD gene
283 <400> SEQUENCE: 22
284 ggaagatctt tagggcgtag cgggggcggg cgg          33

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Input Set : A:\PTO.VSK.txt

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287 <210> SEQ ID NO: 23
288 <211> LENGTH: 34
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: primer used in amplification of F gene of the Snook strain
of BRS
296 <400> SEQUENCE: 23
297 aaattttctg cagatggcga caacagccat gagg 34
300 <210> SEQ ID NO: 24
301 <211> LENGTH: 35
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: primer used in amplification of F gene of the Snook strain
of BRS
309 <400> SEQUENCE: 24
310 ttaaggatcc tcatttacta aaggaaagat tgttg 35
313 <210> SEQ ID NO: 25
314 <211> LENGTH: 39
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: primer used in amplification of truncated form of F gene
321 <400> SEQUENCE: 25
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325 <210> SEQ ID NO: 26
326 <211> LENGTH: 38
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: primer used in amplification of modified form of F gene
333 <400> SEQUENCE: 26
334 aaaattcacg tgaacataac agaagaattt tatcaatc 38
337 <210> SEQ ID NO: 27
338 <211> LENGTH: 32
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: primer used to amplify G gene of the BRSV Snook strain
345 <400> SEQUENCE: 27
346 acgcgtcgac atgtccaacc atacccatca tc 32
349 <210> SEQ ID NO: 28
350 <211> LENGTH: 38
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial sequence
354 <220> FEATURE:
355 <223> OTHER INFORMATION: primer used to amplify G gene
357 <400> SEQUENCE: 28
358 ttaaaatcta gattagatct gtgtagttga ttgatttg 38
361 <210> SEQ ID NO: 29

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VERIFICATION SUMMARY

DATE: 02/26/2002

PATENT APPLICATION: US/09/766,442A

TIME: 09:34:48

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02262002\I766442A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date